

## SEQUENCE LISTING

<110> Inpharmatica Limited

<120> Serine Protease

<130> P032668WO

<140> PCT/GB03/05404

<141> 2003-12-11

<150> GB 0228957.7

<151> 2002-12-11

<160> 26

<170> SeqWin99, version 1.02

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<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

<400> 2

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Leu Met Glu Gly

20

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<213> Homo sapiens

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21

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<213> Homo sapiens

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1 5

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 tggcagacac ctgggtcctc actgctgccc actgcttga aaa 163

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 Cys Gly Gln Arg Gly Pro Gly Pro Pro Lys Pro Gln Glu Gly Asn Thr  
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Val Pro Gly Glu Trp Pro Trp Gln Ala Ser Val Arg Arg Gln Gly Ala  
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His Ile Cys Ser Gly Ser Leu Val Ala Asp Thr Trp Val Leu Thr Ala  
 35 40 45

Ala His Cys Phe Glu Lys  
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 ccactacagc cagggctcag acctggccct gctcagctc gcccacccca cgacccacac 180  
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 tggctggat caggacacca gtgatg 266

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<400> 8  
 Ala Ala Ala Thr Glu Leu Asn Ser Trp Ser Val Val Leu Gly Ser Leu  
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Gln Arg Glu Gly Leu Ser Pro Gly Ala Glu Glu Val Gly Val Ala Ala  
 20 25 30

Leu Gln Leu Pro Arg Ala Tyr Asn His Tyr Ser Gln Gly Ser Asp Leu  
 35 40 45

Ala Leu Leu Gln Leu Ala His Pro Thr Thr His Thr Pro Leu Cys Leu  
 50 55 60

Pro Gln Pro Ala His Arg Phe Pro Phe Gly Ala Ser Cys Trp Ala Thr  
 65 70 75 80

Gly Trp Asp Gln Asp Thr Ser Asp Ala  
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 <211> 155  
 <212> DNA  
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 <212> PRT  
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 Pro Gly Thr Leu Arg Asn Leu Arg Leu Arg Leu Ile Ser Arg Pro Thr  
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Cys Asn Cys Ile Tyr Asn Gln Leu His Gln Arg His Leu Ser Asn Pro  
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Ala Arg Pro Gly Met Leu Cys Gly Gly Pro Gln Pro Gly Val Gln Gly  
 35 40 45

Pro Cys Gln  
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 <211> 74  
 <212> PRT  
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<400> 12  
 Gly Asp Ser Gly Gly Pro Val Leu Cys Leu Glu Pro Asp Gly His Trp

1	5	10	15	
Val Gln Ala Gly Ile Ile Ser Phe Ala Ser Ser Cys Ala Gln Glu Asp				
20		25		30
Ala Pro Val Leu Leu Thr Asn Thr Ala Ala His Ser Ser Trp Leu Gln				
35		40		45
Ala Arg Val Gln Gly Ala Ala Phe Leu Ala Gln Ser Pro Glu Thr Pro				
50		55		60
Glu Met Ser Asp Glu Asp Ser Cys Val Ala				
65		70		
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<212> DNA				
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Trp Pro Trp Glu Ala Arg Leu Met His Gln Gly Gln Leu Ala Cys Gly				
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Gly Ala Leu Val Ser Glu Glu Ala Val Leu Thr Ala Ala His Cys Phe				
35		40		45
Ile Gly				
50				
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<211> 82  
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 Arg Gln Ala Pro Glu Glu Trp Ser Val Gly Leu Gly Thr Arg Pro Glu  
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Glu Trp Gly Leu Lys Gln Leu Ile Leu His Gly Ala Tyr Thr His Pro  
 20 25 30

Glu Gly Gly Tyr Asp Met Ala Leu Leu Leu Ala Gln Pro Val Thr  
 35 40 45

Leu Gly Ala Ser Leu Arg Pro Leu Cys Leu Pro Tyr Pro Asp His His  
 50 55 60

Leu Pro Asp Gly Glu Arg Gly Trp Val Leu Gly Arg Ala Arg Pro Gly  
 65 70 75 80

Ala Gly

<210> 17  
 <211> 146  
 <212> DNA  
 <213> Homo sapiens

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 ctgtgggtga gctgcccagc tgtgag 146

<210> 18  
 <211> 48  
 <212> PRT  
 <213> Homo sapiens

<400> 18  
 Ile Ser Ser Leu Gln Thr Val Pro Val Thr Leu Leu Gly Pro Arg Ala  
 1 5 10 15

Cys Ser Arg Leu His Ala Ala Pro Gly Gly Asp Gly Ser Pro Ile Leu  
 20 25 30

Pro Gly Met Val Cys Thr Ser Ala Val Gly Glu Leu Pro Ser Cys Glu  
 35 40 45

<210> 19  
 <211> 276  
 <212> DNA  
 <213> Homo sapiens

<400> 19

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gcctatgagg	actgggtcag	cagtttggac	tggcaggtct	acttcgcccga	gaaaccagag	180
cccgaggctg	agcctggaag	ctgcctggcc	aacataagta	tgtggccccc	gggcctcctg	240
ccaaaccctg	cctctccagg	acccttctct	ctccag			276

<210> 20  
<211> 92  
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<400> 20  
Gly Leu Ser Gly Ala Pro Leu Val His Glu Val Arg Gly Thr Trp Phe  
1 5 10 15

Leu Ala Gly Leu His Ser Phe Gly Asp Ala Cys Gln Gly Pro Ala Arg  
20 25 30

Pro Ala Val Phe Thr Ala Leu Pro Ala Tyr Glu Asp Trp Val Ser Ser  
35 40 45

Leu Asp Trp Gln Val Tyr Phe Ala Glu Glu Pro Glu Pro Glu Ala Glu  
50 55 60

Pro Gly Ser Cys Leu Ala Asn Ile Ser Met Trp Pro Arg Gly Leu Leu  
65 70 75 80

Pro Asn Pro Ala Ser Pro Gly Pro Phe Ser Leu Gln  
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<210> 21  
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<212> DNA  
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<210> 22  
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<212> PRT  
<213> Homo sapiens

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Met Lys Trp Cys Trp Gly Pro Val Leu Leu Ile Ala Gly Ala Thr Val
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Leu Met Glu Gly Leu Gln Ala Ala Gln Arg Ala Cys Gly Gln Arg Gly  
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Pro Gly Pro Pro Lys Pro Gln Glu Gly Asn Thr Val Pro Gly Glu Trp  
35 40 45

Pro Trp Gln Ala Ser Val Arg Arg Gln Gly Ala His Ile Cys Ser Gly  
50 55 60

Ser Leu Val Ala Asp Thr Trp Val Leu Thr Ala Ala His Cys Phe Glu  
 65 70 75 80

Lys Ala Ala Ala Thr Glu Leu Asn Ser Trp Ser Val Val Leu Gly Ser  
85 90 95

Leu Gln Arg Glu Gly Leu Ser Pro Gly Ala Glu Glu Val Gly Val Ala  
100 105 110

Ala Leu Gln Leu Pro Arg Ala Tyr Asn His Tyr Ser Gln Gly Ser Asp  
115 120 125

Leu Ala Leu Leu Gln Leu Ala His Pro Thr Thr His Thr Pro Leu Cys  
130 135 140

Leu Pro Gln Pro Ala His Arg Phe Pro Phe Gly Ala Ser Cys Trp Ala  
 145 150 155 160

Thr Gly Trp Asp Gln Asp Thr Ser Asp Ala Pro Gly Thr Leu Arg Asn  
165 170 175

Leu Arg Leu Arg Leu Ile Ser Arg Pro Thr Cys Asn Cys Ile Tyr Asn  
180 185 190

Gln Leu His Gln Arg His Leu Ser Asn Pro Ala Arg Pro Gly Met Leu  
195 200 205

Cys Gly Gly Pro Gln Pro Gly Val Gln Gly Pro Cys Gln Gly Asp Ser  
 210 215 220

Gly Gly Pro Val Leu Cys Leu Glu Pro Asp Gly His Trp Val Gln Ala  
 225 230 235 240

Gly Ile Ile Ser Phe Ala Ser Ser Cys Ala Gln Glu Asp Ala Pro Val  
 245 250 255

Leu Leu Thr Asn Thr Ala Ala His Ser Ser Trp Leu Gln Ala Arg Val  
 260 265 270

Gln Gly Ala Ala Phe Leu Ala Gln Ser Pro Glu Thr Pro Glu Met Ser  
 275 280 285

Asp Glu Asp Ser Cys Val Ala Cys Gly Ser Leu Arg Thr Ala Gly Pro  
 290 295 300

Gln Ala Gly Ala Pro Ser Pro Trp Pro Trp Glu Ala Arg Leu Met His  
 305 310 315 320

Gln Gly Gln Leu Ala Cys Gly Gly Ala Leu Val Ser Glu Glu Ala Val  
 325 330 335

Leu Thr Ala Ala His Cys Phe Ile Gly Arg Gln Ala Pro Glu Glu Trp  
 340 345 350

Ser Val Gly Leu Gly Thr Arg Pro Glu Glu Trp Gly Leu Lys Gln Leu  
 355 360 365

Ile Leu His Gly Ala Tyr Thr His Pro Glu Gly Gly Tyr Asp Met Ala  
 370 375 380

Leu Leu Leu Ala Gln Pro Val Thr Leu Gly Ala Ser Leu Arg Pro  
 385 390 395 400

Leu Cys Leu Pro Tyr Pro Asp His His Leu Pro Asp Gly Glu Arg Gly  
 405 410 415

Trp Val Leu Gly Arg Ala Arg Pro Gly Ala Gly Ile Ser Ser Leu Gln  
 420 425 430

Thr Val Pro Val Thr Leu Leu Gly Pro Arg Ala Cys Ser Arg Leu His  
 435 440 445

Ala Ala Pro Gly Gly Asp Gly Ser Pro Ile Leu Pro Gly Met Val Cys  
 450 455 460

Thr Ser Ala Val Gly Glu Leu Pro Ser Cys Glu Gly Leu Ser Gly Ala  
 465 470 475 480

Pro Leu Val His Glu Val Arg Gly Thr Trp Phe Leu Ala Gly Leu His  
 485 490 495

Ser Phe Gly Asp Ala Cys Gln Gly Pro Ala Arg Pro Ala Val Phe Thr  
 500 505 510

Ala Leu Pro Ala Tyr Glu Asp Trp Val Ser Ser Leu Asp Trp Gln Val  
 515 520 525

Tyr Phe Ala Glu Glu Pro Glu Pro Glu Ala Glu Pro Gly Ser Cys Leu  
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Ala Asn Ile Ser Met Trp Pro Arg Gly Leu Leu Pro Asn Pro Ala Ser  
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Pro Gly Pro Phe Ser Leu Gln  
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<210> 23  
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<210> 24  
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<210> 25  
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ggctccctgg tggcagacac ctgggtcctc actgctgccc actgcttga aaaggcagca 180

gcaacagaac tgaattcctg gtcagtggc ctgggttctc tgcagcgtga gggactcagc 240

cctggggccg aagaggtggg ggtggctgcc ctgcagttgc ccagggccta taaccactac 300

agccagggtc cagacactggc cctgctgcag ctcgcccacc ccacgaccca cacaccctc 360

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gatcaggaca ccagtgatgc tcctgggacc ctacgcaatc tgcgcctgctg tctcatcagt 480

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&lt;210&gt; 26

&lt;211&gt; 544

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 26

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Glu	Gly	Asn	Thr	Val	Pro	Gly	Glu	Trp	Pro	Trp	Gln	Ala	Ser	Val	Arg
20															

Arg Gln Gly Ala His Ile Cys Ser Gly Ser Leu Val Ala Asp Thr Trp  
35 40 45

Val Leu Thr Ala Ala His Cys Phe Glu Lys Ala Ala Ala Thr Glu Leu  
50 55 60

Asn Ser Trp Ser Val Val Leu Gly Ser Leu Gln Arg Glu Gly Leu Ser  
65 70 75 80

Pro Gly Ala Glu Glu Val Gly Val Ala Ala Leu Gln Leu Pro Arg Ala  
85 90 95

Tyr Asn His Tyr Ser Gln Gly Ser Asp Leu Ala Leu Leu Gln Leu Ala  
100 105 110

His Pro Thr Thr His Thr Pro Leu Cys Leu Pro Gln Pro Ala His Arg  
115 120 125

Phe Pro Phe Gly Ala Ser Cys Trp Ala Thr Gly Trp Asp Gln Asp Thr  
130 135 140

Ser Asp Ala Pro Gly Thr Leu Arg Asn Leu Arg Leu Arg Leu Ile Ser  
145 150 155 160

Arg Pro Thr Cys Asn Cys Ile Tyr Asn Gln Leu His Gln Arg His Leu  
165 170 175

Ser Asn Pro Ala Arg Pro Gly Met Leu Cys Gly Gly Pro Gln Pro Gly  
180 185 190

Val Gln Gly Pro Cys Gln Gly Asp Ser Gly Gly Pro Val Leu Cys Leu  
195 200 205

Glu Pro Asp Gly His Trp Val Gln Ala Gly Thr Ile Ser Phe Ala Ser  
210 215 220

Ser Cys Ala Gln Glu Asp Ala Pro Val Leu Leu Thr Asn Thr Ala Ala  
225 230 235 240

His Ser Ser Trp Leu Gln Ala Arg Val Gln Gly Ala Ala Phe Leu Ala  
245 250 255

Gln Ser Pro Glu Thr Pro Glu Met Ser Asp Glu Asp Ser Cys Val Ala  
 260 265 270

Cys Gly Ser Leu Arg Thr Ala Gly Pro Gln Ala Gly Ala Pro Ser Pro  
 275 280 285

Trp Pro Trp Glu Ala Arg Leu Met His Gln Gly Gln Leu Ala Cys Gly  
 290 295 300

Gly Ala Leu Val Ser Glu Glu Ala Val Leu Thr Ala Ala His Cys Phe  
 305 310 315 320

Ile Gly Arg Gln Ala Pro Glu Glu Trp Ser Val Gly Leu Gly Thr Arg  
 325 330 335

Pro Glu Glu Trp Gly Leu Lys Gln Leu Ile Leu His Gly Ala Tyr Thr  
 340 345 350

His Pro Glu Gly Gly Tyr Asp Met Ala Leu Leu Leu Ala Gln Pro  
 355 360 365

Val Thr Leu Gly Ala Ser Leu Arg Pro Leu Cys Leu Pro Tyr Pro Asp  
 370 375 380

His His Leu Pro Asp Gly Glu Arg Gly Trp Val Leu Gly Arg Ala Arg  
 385 390 395 400

Pro Gly Ala Gly Ile Ser Ser Leu Gln Thr Val Pro Val Thr Leu Leu  
 405 410 415

Gly Pro Arg Ala Cys Ser Arg Leu His Ala Ala Pro Gly Gly Asp Gly  
 420 425 430

Ser Pro Ile Leu Pro Gly Met Val Cys Thr Ser Ala Val Gly Glu Leu  
 435 440 445

Pro Ser Cys Glu Gly Leu Ser Gly Ala Pro Leu Val His Glu Val Arg  
 450 455 460

Gly Thr Trp Phe Leu Ala Gly Leu His Ser Phe Gly Asp Ala Cys Gln  
 465 470 475 480

Gly Pro Ala Arg Pro Ala Val Phe Thr Ala Leu Pro Ala Tyr Glu Asp  
485 490 495

Trp Val Ser Ser Leu Asp Trp Gln Val Tyr Phe Ala Glu Glu Pro Glu  
500 505 510

Pro Glu Ala Glu Pro Gly Ser Cys Leu Ala Asn Ile Ser Met Trp Pro  
515 520 525

Arg Gly Leu Leu Pro Asn Pro Ala Ser Pro Gly Pro Phe Ser Leu Gln  
530 535 540